

## EAST Search History

| Ref # | Hits | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------|------------------|---------|------------------|
| L14   | 106  | syringe and (battery with solenoid)   | US-PGPUB; USPAT | ADJ              | ON      | 2009/02/13 11:07 |
| L15   | 16   | syringe and (actuator same battery with solenoid)   | US-PGPUB; USPAT | ADJ              | ON      | 2009/02/13 11:07 |
| L17   | 1    | syringe and (flexible piston rod same nylon)  | US-PGPUB; USPAT | ADJ              | ON      | 2009/02/13 12:18 |
| L18   | 1    | syringe and (flexible piston same nylon)  | US-PGPUB; USPAT | ADJ              | ON      | 2009/02/13 12:18 |
| L19   | 109  | syringe and (piston same nylon)   | US-PGPUB; USPAT | ADJ              | ON      | 2009/02/13 12:18 |
| L20   | 17   | syringe and (flexible same piston same nylon)   | US-PGPUB; USPAT | ADJ              | ON      | 2009/02/13 12:18 |
| L21   | 119  | ( "2605765"   "20010056262"   "20020004651"   "20020007154"   "20020091358"   "20020126036"   "20030065308"   "20030088238"   "20030199825"   "20030216683"   "20040019325"   "20040171983"   "20040176727"   "20050095063"   "20050160858"   "20050192561"   "20050245878"   "20050251097"   "20050267402"   "20050273059"   "20060069382"   "20060095014"   "20060135913"   "20060142698"   "20060178633"   "20060200073"   "20060206054"   "20060247581"   "20070073228"   "20070073236"   "20070124002"   "20070156092"   "20070167905"   "20070167912"   "3886938"   "4077405"   "4231368"   "4265241"   "4300554"   "4313439"   "4398908"   "4435173"   "4443218"   "4493704"   "4529401"   "5045064"   "5088961"   "5190522"   "5250027"   "5261882"   "5314412"   "5335994"   "5338157"   "5545143"   "5626566"   "5741216"   "5772635"   "5816306"   "5852803"   "5928201"   "5947934"   "5951530"   "5957889"   "5984894"   "5984897"   "5997475"   "6003736"   "6010485"   "6033377"   "6045537"   "6074372"   "6110149" | US-PGPUB; USPAT | ADJ              | ON      | 2009/02/13 12:19 |

|     |    |  |                 |     |    |                  |
|-----|----|--|-----------------|-----|----|------------------|
|     |    | "6156014"   "6171276"   "6231540"   "6248090"   "6277098"   "6302855"   "6375638"   "6379339"   "6404098"   "6474219"   "6508788"   "6524280"   "6533183"   "6537251"   "6540672"   "6547764"   "6562011"   "6569126"   "6582404"   "6585699"   "6605067"   "6613019"   "6659980"   "6663602"   "6692472"   "6715516"   "6716198"   "6736796"   "6786246"   "6786890"   "6796970"   "6854653"   "6855129"   "6893415"   "6899699"   "6936006"   "6945961"   "6948918"   "6997911"   "7005078"   "7008399"   "7014625"   "7054836"   "7104972"   "7128727"   "7133329"   "7232423").PN. |                 |     |    |                  |
| L22 | 8  | L21 and nylon  | US-PGPUB; USPAT | ADJ | ON | 2009/02/13 12:19 |
| L23 | 92 | (piston rod) same (thread\$3 with (gap\$2 or discontinu\$5))   | US-PGPUB; USPAT | ADJ | ON | 2009/02/13 12:23 |
| L24 | 9  | L23 and "604".clas.  | US-PGPUB; USPAT | ADJ | ON | 2009/02/13 12:24 |
| L25 | 6  | (piston rod) same (thread\$3 with discontinu\$4)   | US-PGPUB; USPAT | ADJ | ON | 2009/02/13 12:41 |
| L26 | 38 | (piston rod) same (thread\$3 with (pattern\$3 or nonuniform or non \$uniform))   | US-PGPUB; USPAT | ADJ | ON | 2009/02/13 12:41 |
| L27 | 0  | (piston rod) same (thread\$3 with (varying shapes))  | US-PGPUB; USPAT | ADJ | ON | 2009/02/13 12:50 |
| L28 | 1  | (piston rod) same (thread\$3 with (varying size))  | US-PGPUB; USPAT | ADJ | ON | 2009/02/13 12:50 |
| L29 | 55 | (piston rod) same (thread\$3 with (vary))  | US-PGPUB; USPAT | ADJ | ON | 2009/02/13 12:51 |
| L30 | 64 | (piston rod) same (thread\$3 with (spaced apart))  | US-PGPUB; USPAT | ADJ | ON | 2009/02/13 12:53 |
| L31 | 62 | L30 not L29  | US-PGPUB; USPAT | ADJ | ON | 2009/02/13 12:53 |
| L32 | 61 | L31 not (L23 or L26)   | US-PGPUB; USPAT | ADJ | ON | 2009/02/13 12:53 |

|     |     |  |                                  |     |    |                     |
|-----|-----|--|----------------------------------|-----|----|---------------------|
| L33 | 1   | "2695023".pn.  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/13<br>13:26 |
| L34 | 12  | (US-20020007154-\$ or US-20020091358-\$ or US-20020004651-\$ or US-20030199824-\$ or US-20020077598-\$).did. or (US-6656159-\$ or US-7144384-\$ or US-4300554-\$ or US-6110149-\$ or US-6302869-\$ or US-6716198-\$ or US-5919167-\$).did.   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/13<br>13:33 |
| L35 | 6   | L34 not L21  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/13<br>13:34 |
| S1  | 224 | 604/145,155.ccls.  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/12<br>14:35 |
| S2  | 39  | S1 and (ratchet or pawl)   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/12<br>14:36 |
| S3  | 3   | S2 and nitinol   | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/12<br>14:36 |
| S4  | 1   | "5919167".pn.  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/12<br>14:37 |
| S5  | 1   | (10/128205).APP.   | USPAT;<br>USOOR                  | ADJ | ON | 2009/02/12<br>15:01 |
| S6  | 143 | ("3631847"   "3812843"   "4067000"<br>"4108177"   "4151845"  <br>"4211998"   "4231019"   "4268150"<br>"4364385"   "4373527"  <br>"4424720"   "4435173"   "4469481"<br>"4475901"   "4498843"  <br>"4507115"   "4514732"   "4529401"<br>"4559033"   "4559037"  <br>"4560979"   "4562751"   "4585439"<br>"4601707"   "4624661"  <br>"4634427"   "4678408"   "4684368"<br>"4685903"   "4734092"  <br>"4755173"   "4781688"   "4781693"<br>"4801957"   "4808161"  <br>"4836752"   "4855746"   "4882600"<br>"4886499"   "4898579"  <br>"4969874"   "4973998"   "5007458"<br>"5045871"   "5062841"  <br>"5109850"   "5176662"   "5178609"<br>"5205819"   "5213483"  <br>"5232439"   "5239326"   "5242406"<br>"5244463"   "5254096"  <br>"5257980"   "5281202"   "5312337"<br>"5318540"   "5342313"  <br>"5411480"   "5433710"   "5452033"<br>"5492534"   "5505709"  <br>"5507288"   "5514096"   "5533389" | US-<br>PGPUB;<br>USPAT;<br>USOOR | ADJ | ON | 2009/02/12<br>15:01 |

|     |      |  |                                  |     |    |                     |
|-----|------|--|----------------------------------|-----|----|---------------------|
|     |      | "5545152"   "5575770"   "5576781"   "5582593"   "5584813"   "5630710"   "5637095"   "5643213"   "5647853"   "5660728"   "5665065"   "5665070"   "5695490"   "5702363"   "5704520"   "5726404"   "5726751"   "5741228"   "5747350"   "5748827"   "5755682"   "5776103"   "5779676"   "5785681"   "5785688"   "5797881"   "5800397"   "5800405"   "5810015"   "5814020"   "5839467"   "5840063"   "5845218"   "5848991"   "5851197"   "5858005"   "5875393"   "5886647"   "5891097"   "5897530"   "5906597"   "5911716"   "5919167"   "5931814"   "5935099"   "5954058"   "5957890"   "5965848"   "5983094"   "5993423"   "5997501"   "6019747"   "6061580"   "6071292"   "6144847"   "6152898"   "6190359").PN. OR ("6375638"   "6488652"   "D303013"   "D306691"   "D311735"   "D315727"   "D405524").PN. OR ("6656159"),URPN. |                                  |     |    |                     |
| S7  | 15   | \$6 and (ratchet or pawl)  | US-<br>PGPUB;<br>USPAT;<br>USOOR | ADJ | ON | 2009/02/12<br>15:01 |
| S8  | 1    | *6302869*.pn.  | US-<br>PGPUB;<br>USPAT;<br>USOOR | ADJ | ON | 2009/02/12<br>15:05 |
| S9  | 14   | ("4787893"   "4846797"   "4908017"   "5304152"   "5368572"   "5380295"   "5672155").PN. OR ("6302869"),URPN.   | US-<br>PGPUB;<br>USPAT;<br>USOOR | ADJ | ON | 2009/02/12<br>15:54 |
| S10 | 29   | mernoe.in.   | US-<br>PGPUB;<br>USPAT;<br>USOOR | ADJ | ON | 2009/02/12<br>15:59 |
| S11 | 2    | "20040064088"  | US-<br>PGPUB;<br>USPAT;<br>USOOR | ADJ | ON | 2009/02/12<br>16:03 |
| S12 | 1765 | 604/218,223,228,232,235.ccls.  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/12<br>16:03 |
| S13 | 41   | \$12 and ratchet and pawl  | US-<br>PGPUB;<br>USPAT           | ADJ | ON | 2009/02/12<br>16:03 |

|     |     |  |                        |     |    |                     |
|-----|-----|--|------------------------|-----|----|---------------------|
| S14 | 2   | S12 and thread\$4 same discontinuous   | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2009/02/12<br>16:14 |
| S15 | 7   | S12 and (thread\$4 same pattern\$3)  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2009/02/12<br>16:15 |
| S16 | 11  | (S1 or S12) and (polyoxymethylene or pom)  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2009/02/12<br>16:20 |
| S17 | 96  | (S1 or S12) and (polyoxymethylene or pom or nylon)   | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2009/02/12<br>16:20 |
| S18 | 34  | (S1 or S12) and (plunger same (polyoxymethylene or pom or nylon))  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2009/02/12<br>16:22 |
| S19 | 81  | (S1 or S12) and (plunger same hinge \$2)   | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2009/02/12<br>16:24 |
| S20 | 106 | (S1 or S12) and (plunger same (hinge \$2 or links))  | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2009/02/12<br>16:25 |
| S21 | 6   | S20 and solenoid   | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2009/02/12<br>16:25 |
| S22 | 119 | ("2605765"   "20010056262"   "20020004651"   "20020007154"   "20020091358"   "20020126036"   "20030065308"   "20030088238"   "20030199825"   "20030216683"   "20040019325"   "20040171983"   "20040176727"   "20050095063"   "20050160858"   "20050192561"   "20050245878"   "20050251097"   "20050267402"   "20050273059"   "20060069382"   "20060095014"   "20060135913"   "20060142698"   "20060178633"   "20060200073"   "20060206054"   "20060247581"   "20070073228"   "20070073236"   "20070124002"   "20070156092"   "20070167905"   "20070167912"   "3886938"   "4077405"   "4231368"   "4265241"   "4300554"   "4313439"   "4398908"   "4435173"   "4443218"   "4493704"   "4529401"   "5045064"   "5088981"   "5190522"   "5250027"   "5261882"   "5314412"   "5335994"   "5338157"   "5545143"   "5626566"   "5741216"   "5772635"   "5816306"   "5852803"   "5928201"   "5947934"   "5951530"   "5957889"   "5984894"   "5984897"   "5997475"   "6003736"   "6010485"   "6033377" | US-<br>PGPUB;<br>USPAT | ADJ | ON | 2009/02/12<br>17:07 |

|     |     |  |                        |     |                           |
|-----|-----|--|------------------------|-----|---------------------------|
|     |     | "6045537"   "6074372"   "6110149"<br>"6156014"   "6171276"  <br>"6231540"   "6248090"   "6277098"<br>"6302855"   "6375638"  <br>"6379339"   "6404098"   "6474219"<br>"6508788"   "6524280"  <br>"6533183"   "6537251"   "6540672"<br>"6547764"   "6562011"  <br>"6569126"   "6582404"   "6585699"<br>"6605067"   "6613019"  <br>"6659980"   "6663602"   "6692472"<br>"6715516"   "6716198"  <br>"6736796"   "6786246"   "6786890"<br>"6796970"   "6854653"  <br>"6855129"   "6893415"   "6899699"<br>"6936006"   "6945961"  <br>"6948918"   "6997911"   "7005078"<br>"7008399"   "7014625"  <br>"7054836"   "7104972"   "7128727"<br>"713329"   "7232423").PN. |                        |     |                           |
| S23 | 115 | syringe same thread\$3 same<br>(discontinuous or "spaced apart" or<br>non\$uniform)  | US-<br>PGPUB;<br>USPAT | ADJ | ON<br>2009/02/12<br>17:14 |
| S24 | 0   | "604".clas. same (outer thread\$3<br>same (discontinuous or "spaced<br>apart" or non\$uniform))  | US-<br>PGPUB;<br>USPAT | ADJ | ON<br>2009/02/12<br>17:17 |
| S25 | 9   | "604".clas. and (outer thread\$3<br>same (discontinuous or "spaced<br>apart" or non\$uniform))   | US-<br>PGPUB;<br>USPAT | ADJ | ON<br>2009/02/12<br>17:17 |
| S26 | 1   | "604".clas. and (outer thread\$3<br>same (discontinuous or non<br>\$uniform))  | US-<br>PGPUB;<br>USPAT | ADJ | ON<br>2009/02/12<br>17:17 |
| S27 | 14  | "604".clas. and (outer thread\$3<br>same (discontinuous or non\$uniform<br>or gap\$2))   | US-<br>PGPUB;<br>USPAT | ADJ | ON<br>2009/02/12<br>17:19 |
| S28 | 335 | (outer thread\$3 same (discontinuous<br>or non\$uniform or gap\$2))  | US-<br>PGPUB;<br>USPAT | ADJ | ON<br>2009/02/12<br>17:19 |
| S29 | 7   | (outer thread\$3 same<br>(discontinuous))  | US-<br>PGPUB;<br>USPAT | ADJ | ON<br>2009/02/12<br>17:20 |
| S30 | 5   | (outer thread\$3 same non\$uniform)  | US-<br>PGPUB;<br>USPAT | ADJ | ON<br>2009/02/12<br>17:20 |

2/13/2009 1:37:07 PM

C:\Documents and Settings\smedway\My Documents\EAST\Workspaces\10587911.wsp